

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 07917-103002	Application No. Unknown
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Leonard et al.	
		Filing Date April 12, 2004	Group Art Unit

U.S. Patent Documents							
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
ECK	AA	5,650,550 A	07/22/97	Korach et al.			
	AB						

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AC							

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
ECK	AD	Auf'mkolk et al., "Antihormonal Effects of Plant Extracts: Iodothyronine Deiodinase of Rat Liver is Inhibited by Extracts and Secondary Metabolites of Plants," <i>Hormone Metab. Res.</i> 16:188-192 (1984)
	AE	Auf'mkolk et al., "Crystal Structure of Phlorizin and the Iodothyronine Deiodinase Inhibitory Activity of Phloretin Analogues," <i>Biochem. Pharmacol.</i> 35:2221-2227 (1986)
	AF	Auf'mkolk et al., "Inhibition of Rat Liver Iodothyronine deiodinase," <i>J. Biol. Chem.</i> 261:11623-11630 (1986)
	AG	Burris et al. "A nuclear hormone receptor-associated protein that inhibits transactivation by the thyroid hormone and retinoic acid receptors" <i>Proc. Natl. Acad. Sci. USA</i> 92:9525-9529 (1995)
	AH	Chassande et al. "Identification of Transcripts Initiated from an Internal Promoter in the c-erbA $\alpha$ Locus That Encode Inhibitors of Retinoic Acid Receptor- $\alpha$ and Triiodothyronine Receptor Activities" <i>Molecular Endocrinology</i> 11, 9:1278-1290 (1997)
	AI	Chassande et al., "Identification of transcripts initiated from an internal promoter in the c-erbA alpha locus that encode inhibitors of retinoic acid receptor-alpha and triiodothyronine receptor activities," <i>Mol. Endocrinol.</i> 11:1278-1290 (1997)
	AJ	Cody et al., "Structure-Activity Relationships of Flavonoid Deiodinase Inhibitors and Enzyme Active-Site Models," <i>Prog. Clin. Biol. Res.</i> 213:373-382 (1986)
	AK	Farwell et al., "Degradation and recycling of the substrate binding subunit of type II iodothyronine 5'-deiodinase in astrocytes," <i>J. Biol. Chem.</i> 271:16369-16374 (1996)
	AL	Farwell et al., "Dissociation of Actin Polymerization and Enzyme Inactivation in the Hormonal Regulation of Type II Iodothyronine 5'-Deiodinase Activity in Astrocytes," <i>Endocrinol.</i> 131:721-728 (1992)
	AM	Farwell et al., "Identification of a 27-kDa Protein with the Properties of Type II Iodothyronine 5' - Deiodinase in Dibutyl Cyclic AMP-simulated Glial Cells," <i>J. Biol. Chem.</i> 264:20561-20567 (1989)
	AN	Farwell et al., "The actin cytoskeleton mediates the hormonally regulated translocation of type II iodothyronine 5'-deiodinase in astrocytes," <i>J. Biol. Chem.</i> 265:18546-18553 (1990)
↓	AO	Farwell et al., "Thyroxine targets different pathways of internalization of type II iodothyronine 5'-deiodinase in astrocytes," <i>J. Biol. Chem.</i> 268:5055-5062 (1993)

Examiner Signature /Elizabeth C. Kemmerer/	Date Considered 02/15/2007
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ECK	AP	Fraichard et al., "The T3R $\alpha$ gene encoding a thyroid hormone receptor is essential for post-natal development and thyroid hormone production," <i>The EMBO Journal</i> 16:4412-4420 (1997)
	AQ	Gauthier et al., "Different functions for the thyroid hormone receptors TR $\alpha$ and TR $\beta$ in the control of thyroid hormone production and post-natal development," <i>The EMBO Journal</i> 18:623-631 (1999)
	AR	Göthe et al., "Mice devoid of all known thyroid hormone receptors are viable but exhibit disorders of the pituitary-thyroid axis, growth, and bone maturation," <i>Genes &amp; Development</i> 13:1329-1341 (1999)
	AS	Horowitz et al., "Characterization of the domain structure of chick c-erbA by deletion mutation: <i>in vitro</i> translation and cell transfection studies," <i>Mol. Endocrinol.</i> 3:148-156 (1989)
	AT	Koehrle et al., "Iodothyronine Deiodinase is Inhibited by Plant Flavonoids," <i>Prog. Clin. Biol. Res.</i> 213:359-371 (1986)
	AU	Koehrle et al., "Rat Liver Iodothyronine Monodeiodinase," <i>J. Biol. Chem.</i> 261:11613-11622 (1986)
	AV	Kolodny et al., "Studies of nuclear 3,5,3'-triiodothyronine binding in primary cultures of rat brain," <i>Endocrinology</i> 117:1848-1857 (1985)
	AW	Leonard et al., "Cerebral cortex responds rapidly to thyroid hormones," <i>Science</i> 214:571-573 (1981)
	AX	Leonard et al., "Hormonal regulation of type II iodothyronine deiodinase in the brain," <i>Thyroid Hormone Metabolism: Molecular Biology and Alternate Pathways</i> (War & Visser eds.) CRC Press pages 23-44 (1994)
	AY	Leonard et al., "Iodothyronine 5'-Deiodinase from Rat Kidney: Substrate Specificity and the 5'-Deiodination of Reverse Triiodothyronine," <i>Endocrinol.</i> 107:1376-1383 (1980)
	AZ	Leonard et al., "Regulation of type II iodothyronine 5'-deiodinase by thyroid hormone. Inhibition of actin polymerization blocks enzyme inactivation in cAMP-stimulated glial cells," <i>Journal of Biological Chemistry</i> 265:940-946 (1990)
	AAA	Leonard et al., "Thyroxine 5'-Deiodinase Activity of Rat Kidney: Observations on Activation by Thiols and Inhibition by Propylthiouracil," <i>Endocrinol.</i> 103:2137-2144 (1978)
	ABB	Leonard, "Dibutyl cAMP induction of type II 5'-deiodinase activity in rat brain astrocytes in culture," <i>Biochemical and Biophysical Research Communications</i> 151:1164-1172 (1988)
	ACC	Rabie et al., "Analysis of the mechanisms underlying increased histogenetic cell death in developing cerebellum of the hypothyroid rat: determination of the time required for granule cell death," <i>Brain Res.</i> 190:409-414 (1980)
	ADD	Safran et al., "Structural requirements of iodothyronines for the rapid inactivation and internalization of type II iodothyronine 5'-deiodinase in glial cells," <i>Journal of Biological Chemistry</i> 268:14224-14229 (1993)
	AEE	Silva et al., "Regulation of Rat Cerebrocortical and Adenohypophyseal Type II 5'-Deiodinase by Thyroxine, Triiodothyronine, and Reverse Triiodothyronine," <i>Endocrinol.</i> 116:1627-1635 (1985)
	AFF	Visser et al., "Different pathways of iodothyronine 5'-deiodination in rat cerebral cortex," <i>Biochem. Biophys. Res. Comm.</i> 101:1297-1304 (1981)
	AGG	Visser et al., "Kinetic evidence suggesting two mechanisms for iodothyronine 5'-deiodination in rat cerebral cortex," <i>Proc. Nat. Acad. Sci. USA</i> 79:5080-5084 (1982)
↓	AHH	Wikström et al., "Abnormal heart rate and body temperature in mice lacking thyroid hormone receptor $\alpha 1$ ," <i>The EMBO Journal</i> 17:455-461 (1998)

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ECK	AII	Xiao et al., "Apoptosis in the developing cerebellum of the thyroid hormone deficient rat," <i>Front. Biosci.</i> 3:a52-57 (1998)
	AJJ	

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